

IN THE CLAIMS

Please amend claims 1, 16, 31 and 41-45 as follows:

1. (CURRENTLY AMENDED) A method of processing a video stream received by a computer, the method comprising:
- receiving a video stream, wherein the video stream comprises multiple frames;
  - analyzing the video stream to identify scene changes between frames of the video stream;
  - and
  - marking one or more user or private data fields of one or more frames of the video stream to indicate a scene change, in a manner transparent for encoded content within the frame, and in order to provide an index of access points for displaying specific scenes or segments.
2. (ORIGINAL) The method of claim 1, wherein the computer comprises an encoder.
3. (ORIGINAL) The method of claim 2, wherein marking one or more fields occurs within the encoder.
4. (ORIGINAL) The method of claim 1, wherein the field comprises a user data field.
5. (ORIGINAL) The method of claim 1, wherein the field comprises a private data field.
6. (ORIGINAL) The method of claim 1, wherein a scene change occurs when the content of a first frame of the video stream changes sufficiently in a second frame of the video stream such that the second frame triggers a new view relative to the first frame.
7. (ORIGINAL) The method of claim 1, wherein the scene change data comprises a data bit, and wherein updating the data bit indicates a scene change.
8. (ORIGINAL) The method of claim 1, wherein the scene change data comprises one or more data bits representing a scene change attribute, and wherein updating one or more data bits indicates a scene change due to a corresponding scene change attribute.

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